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**AMENDMENTS TO THE SPECIFICATION**

Please insert the following after line 23 of page 16 in the specification.

The SSR profile of Inbred PH6JM can be found in Table A.

Table A

| Public Name of Marker | bin # | PH6JM base pairs |
|-----------------------|-------|------------------|
| phi427913             | 1.01  | 129.38           |
| bnlg1014              | 1.01  | 114.07           |
| phi056                | 1.01  | 246.94           |
| bnlg1083              | 1.02  | 221.86           |
| bnlg1127              | 1.02  | 114.36           |
| bnlg1429              | 1.02  | 204.64           |
| bnlg1627              | 1.02  | 202.70           |
| phi109275             | 1.03  | 126.31           |
| phi339017             | 1.03  | 145.56           |
| bnlg1203              | 1.03  | 308.35           |
| bnlg1484              | 1.03  | 135.90           |
| bnlg1832              | 1.05  | 215.70           |
| bnlg1886              | 1.05  | 145.64           |
| bnlg1041              | 1.06  | 194.58           |
| bnlg1615              | 1.06  | 211.96           |
| bnlg1556              | 1.07  | 201.94           |
| phi323065             | 1.08  | 329.53           |
| phi335539             | 1.08  | 88.58            |
| phi423298             | 1.08  | 133.68           |
| phi002                | 1.08  | 73.53            |
| bnlg1331              | 1.09  | 121.03           |
| phi011                | 1.09  | 226.98           |
| phi308707             | 1.10  | 131.11           |
| phi227562             | 1.11  | 319.44           |
| phi064                | 1.11  | 94.65            |
| phi402893             | 2.00  | 218.34           |
| phi96100              | 2.01  | 284.43           |
| bnlg1017              | 2.02  | 195.57           |
| bnlg2277              | 2.02  | 292.29           |
| bnlg1064              | 2.03  | 190.27           |
| bnlg1018              | 2.04  | 134.33           |
| bnlg1909              | 2.05  | 204.05           |

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| Public Name of Marker | bin # | PH6JM base pairs |
|-----------------------|-------|------------------|
| bnlg1831              | 2.06  | 193.90           |
| phi251315             | 2.07  | 123.79           |
| phi328189             | 2.08  | 115.47           |
| phi427434             | 2.08  | 121.46           |
| phi435417             | 2.08  | 217.99           |
| bnlg1141              | 2.08  | 152.92           |
| bnlg1940              | 2.08  | 219.21           |
| phi127                | 2.08  | 109.62           |
| bnlg1520              | 2.09  | 285.85           |
| phi101049             | 2.10  | 238.19           |
| phi453121             | 3.00  | 223.43           |
| phi104127             | 3.01  | 162.19           |
| phi404206             | 3.01  | 303.14           |
| phi193225             | 3.02  | 136.71           |
| phi374118             | 3.02  | 213.36           |
| bnlg1144              | 3.02  | 134.68           |
| bnlg1647              | 3.02  | 137.52           |
| bnlg1523              | 3.03  | 264.89           |
| bnlg1019              | 3.04  | 179.98           |
| bnlg1035              | 3.05  | 101.06           |
| phi053                | 3.05  | 171.68           |
| phi102228             | 3.06  | 126.84           |
| bnlg1160              | 3.06  | 222.23           |
| bnlg1951              | 3.06  | 121.12           |
| bnlg2241              | 3.06  | 142.63           |
| phi072                | 4.00  | 139.43           |
| phi213984             | 4.01  | 284.60           |
| phi295450             | 4.01  | 184.83           |
| bnlg1162              | 4.03  | 92.86            |
| phi308090             | 4.04  | 218.64           |
| phi096                | 4.04  | 234.58           |
| phi438301             | 4.05  | 211.81           |
| bnlg1159              | 4.05  | 147.81           |
| bnlg1755              | 4.05  | 240.07           |
| bnlg1937              | 4.05  | 227.36           |
| bnlg1265              | 4.05  | 223.71           |
| phi079                | 4.05  | 177.74           |
| bnlg1189              | 4.07  | 131.56           |
| bnlg2244              | 4.08  | 199.58           |
| bnlg1006              | 5.00  | 229.38           |

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| Public Name of Marker | bin # | PH6JM base pairs |
|-----------------------|-------|------------------|
| bnlg1208              | 5.04  | 118.88           |
| phi333597             | 5.05  | 210.74           |
| phi085                | 5.06  | 250.16           |
| bnlg1118              | 5.07  | 82.56            |
| bnlg1711              | 5.07  | 176.65           |
| phi423796             | 6.01  | 128.39           |
| phi389203             | 6.03  | 306.15           |
| phi452693             | 6.04  | 130.98           |
| phi445613             | 6.05  | 96.95            |
| bnlg1174              | 6.05  | 218.72           |
| phi299852             | 6.07  | 117.30           |
| phi364545             | 6.07  | 131.46           |
| bnlg1740              | 6.07  | 230.27           |
| bnlg1759              | 6.07  | 125.81           |
| phi070;<br>umc1063    | 6.07  | 83.47            |
| phi034                | 7.02  | 119.55           |
| bnlg2271              | 7.03  | 233.69           |
| phi328175             | 7.04  | 128.31           |
| phi260485             | 7.05  | 285.39           |
| phi051                | 7.05  | 138.57           |
| phi069                | 7.05  | 195.31           |
| phi116                | 7.06  | 164.92           |
| phi420701             | 8.00  | 289.29           |
| bnlg1194              | 8.02  | 174.99           |
| phi100175             | 8.03  | 145.34           |
| bnlg2082              | 8.03  | 172.52           |
| phi115                | 8.03  | 290.66           |
| phi121                | 8.03  | 93.90            |
| bnlg2046              | 8.04  | 306.22           |
| bnlg1176              | 8.05  | 217.94           |
| bnlg1152              | 8.06  | 148.42           |
| bnlg1065              | 8.07  | 226.87           |
| bnlg1056              | 8.08  | 94.48            |
| phi015                | 8.08  | 100.05           |
| phi233376             | 8.09  | 136.10           |
| bnlg2122              | 9.01  | 203.41           |
| bnlg1012              | 9.04  | 161.54           |
| phi032                | 9.04  | 231.00           |
| phi108411             | 9.05  | 126.04           |

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| Public Name of Marker | bin #     | PH6JM base pairs |
|-----------------------|-----------|------------------|
| bnlg1129              | 9.08      | 300.56           |
| phi041                | 10.00     | 209.99           |
| phi96342              | 10.02     | 249.64           |
| phi059                | 10.02     | 143.60           |
| bnlg1079              | 10.03     | 170.34           |
| bnlg1655              | 10.03     | 126.51           |
| phi050                | 10.03     | 83.27            |
| phi301654             | 10.04     | 128.33           |
| phi062                | 10.04     | 157.81           |
| phi323152             | 10.05     | 134.72           |
| bnlg1185              | 10.07     | 188.95           |
| phi109642             | 2.03/2.04 | 148.23           |
| bnlg1720              | 1.09/1.10 | 236.44           |
| phi448880             | 9.06/9.07 | 176.99           |